

WHAT IS CLAIMED IS:

1. A reconfigurable barrier system comprising:

(a) a plurality of support units spaced one from the other,

each said support unit having at least one engagement section defining an

5 elongate channel; and,

(b) at least one retention unit supported to extend

between a pair of said support units, said retention unit being substantially

impervious to liquid, said retention unit including:

i. a pair of opposed engagement portions and an

10 intermediate portion extending therebetween, each said engagement portion

slidably engaging one said channel of one said support unit; and,

ii. a seal portion extending along a longitudinal

edge of said intermediate portion;

a barrier section being defined by a pair of said support units

15 supporting at least one said retention unit supported thereby.

2. The reconfigurable barrier system as recited in Claim 1 further comprising a brace unit engaging at least one said retention unit for reinforcing the support thereof, said brace unit including a stabilizing member and a tie member extending therefrom to engage said retention unit.

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3. The reconfigurable barrier system as recited in Claim 1 comprising a plurality of said barrier sections joined one to the other to form an endlessly looped barrier configuration about an area to be protected.

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4. The reconfigurable barrier system as recited in Claim 3 wherein at least one barrier section includes a plurality of said retention units extending between said support units thereof in stacked manner one over the other.

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5. The reconfigurable barrier system as recited in Claim 1 wherein each said support unit includes at least a pair of said engagement sections offset in angular orientation one from the other.



6. The reconfigurable barrier system as recited in Claim 5 wherein each said support unit includes an intermediate section disposed between said engagement sections, said intermediate section having a substantially I-shaped sectional contour.

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7. The reconfigurable barrier system as recited in Claim 5 wherein each said engagement section of said support units includes first and second walls extending along opposing sides of said channel to receive one said engagement portion of said retention unit therebetween, first and second sides of said retention unit engagement portion respectively facing said first and second walls, one of at least said first side and wall having formed therein a retention slot, the other of at least said first side and wall having a retention rib protruding therefrom to slidably engage said retention slot.

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8. The reconfigurable barrier system as recited in Claim 1 wherein each said support unit includes a transversely projecting base section coupled to said engagement section.

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9. The reconfigurable barrier system as recited in Claim 8 wherein said base section defines a flanged loading platform, said base section having formed thereon at least one anchoring member for securely engaging a supporting surface therebeneath.

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10. The reconfigurable barrier system as recited in Claim 9 wherein said base section has formed thereon a plurality of said anchoring members, each said anchoring member forming a spike for driving into said supporting surface.

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11. The reconfigurable barrier system as recited in Claim 2 wherein said tie member of said brace unit is adjustably coupled to said stabilizing member thereof;

said stabilizing member including a pole portion

15 having a plurality of through holes formed therein; and,

said tie member including:

- a. a collar portion coaxially engaging said pole;
- b. an arm portion extending radially from said

collar portion; and,

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- c. a hook portion terminating said arm portion

for engaging at least one said retention unit.

12. The reconfigurable barrier system as recited in Claim 11 wherein said stabilizing member includes a pointed stake portion terminating said pole portion for driving into a supporting surface.

5 13. The reconfigurable barrier system as recited in Claim 11 wherein said stabilizing member includes a stand portion coupled to said pole portion, said stand portion having a hooking arm extending transversely therefrom to engage at least one said retention unit.

10 14. The reconfigurable barrier system as recited in Claim 1, wherein said retention unit includes a plank member defining said engagement and intermediate portions, said seal portion including a resilient strip coupled to extend along said longitudinal edge of said intermediate portion.

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15. The reconfigurable barrier system as recited in Claim 1,
wherein said retention unit includes a plank member defining said engagement
and intermediate portions, said intermediate portion having a plurality of said
longitudinal edges, a first of said longitudinal edges having formed thereon a
5 tongue protrusion, a second of said longitudinal edges having formed therein a
groove recess configured to receive said tongue protrusion of another said
retention unit plank member.

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16. A reconfigurable dike system comprising:

(a) a plurality of support units spaced one from the other, each said support unit having a pair of engagement sections each defining an elongate channel, said engagement sections of each said support unit being offset
5 in angular orientation to describe therefor an angled sectional contour;

(b) at least one retention unit displaceably supported to extend between a pair of said support units, said retention unit being substantially impervious to liquid, said retention unit including:

i. a pair of opposed engagement portions and an intermediate
10 portion extending therebetween, each said engagement portion slidably engaging one said channel of one said support unit; and,

ii. a seal portion extending along a longitudinal edge of said intermediate portion; and,

(c) a brace unit engaging at least one said retention unit
15 for reinforcing the support thereof, said brace unit including a stabilizing member and a tie member extending therefrom to engage said retention unit;

a barrier section being defined by a pair of said support units supporting said retention unit, and said brace unit coupled thereto.

17. The reconfigurable barrier system as recited in Claim 16 wherein each said engagement section of said support units includes first and second walls extending along opposing sides of said channel to receive one said engagement portion of said retention unit therebetween, said retention unit engagement portion having first and second sides respectively facing said first and second walls, said first and second sides each having a retention slot formed therein, each of said first and second walls having a retention rib protruding therefrom to slidably engage one said retention slot.

18. The reconfigurable barrier system as recited in Claim 16 wherein each said support unit includes a transversely projecting base section coupled to said engagement section defining a flanged loading platform, said base section having at least one anchoring member extending therefrom for driven engagement of a supporting surface underneath.

19. The reconfigurable barrier system as recited in Claim 16 wherein said tie member of said brace unit is adjustably coupled to said stabilizing member thereof;

said stabilizing member including a pole portion
5 having a plurality of through holes formed therein; and,

said tie member including:

- a. a collar portion coaxially engaging said pole;
- b. an arm portion extending radially from said

collar portion; and,

10 c. a hook portion terminating said arm portion
for engaging at least one said retention unit.

20. A temporary dike system comprising:

(a) a plurality of support units spaced one from the other, each said support unit having a pair of engagement sections each defining an elongate channel, said engagement sections of each said support unit being offset
5 in angular orientation to describe therefor an angled sectional contour, each said support unit including a transversely projecting base section coupled to said engagement section to form a flanged loading platform, said base section having at least one anchoring member extending therefrom for driven engagement of a supporting surface underneath;

10 (b) a plurality of retention units displaceably supported to extend between a pair of said support units, said retention unit being substantially impervious to liquid, said retention unit including:

i. a longitudinally extended plank member
slidably engaging said channels of said support units; and,

15 ii. a seal portion extending along at least one longitudinal edge of said plank member; and,

(c) a brace unit engaging at least one said retention unit for reinforcing the support thereof, said brace unit including a stabilizing member

and a tie member adjustably coupled thereto, said tie member extending from said stabilizing member to engage said retention unit;

said stabilizing member including a pole portion disposed in transversely spaced manner from an intermediate portion of at least one said retention unit plank member; and,

said tie member including:

i. a collar portion coaxially engaging said pole;
ii. an arm portion extending radially from said collar portion for capture between an adjacent pair of retention units stacked one over the other; and,

iii. a hook portion terminating said arm portion for retentively engaging at least one said retention unit plank member.